

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509710017-1

DANTSIG, N.M.

Sixth plenary session of the Committee on the Hygiene of  
Irradiation. Vest. AMN SSSR no.3:40-43 '53.  
(Ultraviolet rays--Therapeutic use) (MLRA 7:1)

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CIA-RDP86-00513R000509710017-1"

DANTSIG, N.M.

✓ 6.8-49

Dantsig, N. M., Soveshchaniye o prirodnom ultravioletovom izlucheniil. [Conference on natural ultraviolet radiation.] *Gigiena i Sanitariya*, Moscow, 3:61-62, March 1953. DLG—Minutes of the conference convened by the Commission of Radiation Technology, Academy of Sciences of the U.S.S.R. (Dept. of Technical Sciences) and numerous other organizations at Yalta on Sept. 28-30, 1952 are presented. The conference was devoted to the problems of research on and utilization of natural solar ultraviolet radiation in medical practice and preventive medicine, especially in health resorts. The main problems discussed were: the biological effect and hygienic evaluation of natural ultraviolet radiation; characteristics of the ultraviolet climate and methods of its quantitative evaluation and dosimetry; the necessity of developing studies of heliotherapy, climatology and actinometry in the southern (Crimean and Caucasus) health resorts. *Subject Headings:* 1. Ultraviolet radiation 2. Medical meteorology 3. Heliotherapy 4. Conferences.—A.M.P.

551,521.63.615.8

6.2

DANTSIG, N.M.

Basis for the selection of the location of windows in residential and public buildings. Gig.i san. no.9:13-17 S '53. (MLRA 6:8)

1. Institut obshchey i komunal'noy gigiyeny Akademii meditsinskikh nauk SSSR. (Windows)

BELIKOVA, V.K.; DANTSIG, N.M.; MATS, L.I.

Experimental data on survival time of infected animals irradiated  
with erythema-producing ultraviolet lamps. Gig. i san. no.11:7-10  
N '54. (MIRA 7:12)

1. Is Instituta obshchey kommunal'noy gigiyeny AMN SSSR.  
(ULTRAVIOLET RAYS, effects  
on survival time of experimentally infected mice)  
(TYPHUS, MURINE, experimental  
in mice, eff. of ultraviolet rays on survival time)

DANTSIG, N.M., professor.

Conference on the problem of compensation in ultraviolet insufficiency.  
Vest. AMN SSSR no.3:82-86 '55. (MLRA 8:11)

(ULTRAVIOLET RAYS,  
insuff. in northern areas, conf. on compensation)

DANTSIG, N.M.

AID P - 2473

Subject : USSR/Medicine

Card 1/1 Pub. 37 - 2/19

Authors : Belikova, V. K., Scientific Worker, Dantsig, N. M.,  
Prof., Mats, L. I., Prof.

Title : Effect of the radiation of erythemic lamps on the  
agglutinin content of the blood of immunized animals.

Periodical : Gig. i san., 7, 5-7, Jl 1955

Abstract : Describes tests with rabbits and discusses the effect  
of ultraviolet rays from erythemic luminescent lamps  
on the accumulation of agglutinins in the blood of  
immunized animals, which increases the immunological  
reaction of the organism against infection. Diagrams.

Institution: Institute of General and Municipal Hygiene, Acad. of  
Med. Sci., USSR

Submitted : Dec. 20, 1954

DANTSIG, N.M., professor.

Meeting on ultraviolet ray clinics. Svetotekhnika 2 no.3:29-30  
My '56. (MLRA 9:8)  
(Ultraviolet rays--Therapeutic use)

DANTSIG, N.M., doktor meditsinskikh nauk, professor.

Hygienic evaluation of erythemal lamps and the effectiveness of their  
use. Svetotekhnika 2 no.4:11-14 Jl '56. (MERA 9:10)

1. Institut obshchey kommunal'noy gigiyeny Akademii meditsinskikh nauk  
SSSR.  
(Ultraviolet rays--Therapeutic use)

DANTSIG, N.M., professor; ZABALUYEVA, A.P., kandidat meditsinskikh nauk

Prevention of photo-ophthalmia when using ultraviolet rays for  
lighting. Oft.zhur. 11 no.1:26-29 '56. (MLRA 9:9)

1. Iz instituta obshchey i kommunal'noy gigiyeny AMN SSSR.  
(ULTRAVIOLET RAYS--PHYSIOLOGICAL EFFECT)  
(EYE--INFLAMMATION)

DANTSIG, N.M., professor

Conference on problems of irradiation of mine workers with ultra-violet rays. Gig. i san. 21 no.6:89-90 Je '56. (MLRA 9:8)  
(COAL MINES AND MINING--HYGIENIC ASPECTS)  
(ULTRAVIOLET RAYS--THERAPEUTIC USE)

DANFSIG, N.M., professor.; GLAGOL'VA, T.A., kandidat tekhnicheskikh nauk.; KROL',  
TS. I., kandidat tekhnicheskikh nauk.; SHAYKHEVICH, A.S., kandidat  
tekhnicheskikh nauk.

New projected norms for artificial lighting. Svetotekhnika 3 no.5:15-17  
My '57.  
(Lighting--Standards)

DANTSIG, N.M., professor; SKOBLEV, V.M., kandidat tekhnicheskikh nauk.

On IA. E. Neishtadt's book "Bactericide ultraviolet lamps."  
Reviewed by N.M. Dantsig, V.M. Skoblev. Svetotekhnika 3  
no.6:55-56 Je '57. (MIRA 10:7)  
(Ultraviolet rays) (Bactericides) (Neishtadt, IA.E.)

DANTSIG, N.M.; SKOBLEV, V.M.

"Bactericidal ultraviolet radiation" by I.A.S.Neishtadt. Reviewed  
by N.M. Dantsig, V.M.Skobelev, Gig, i san. 22 no.4:91-92 Ap '57.  
(ULTRAVIOLET RAYS--PHYSIOLOGICAL EFFECT) (MLRA 10:9)  
(BACTERICIDES) (NEISHTADT, I.A.E.)

DANTSIG, N. M.  
DANTSIG, N.M., prof.

Problems in ultraviolet radiation discussed at the Eighth All-Union  
Congress of Hygienists, Epidemiologists, Microbiologists and  
Specialists in Infectious Diseases. Vop.kur.fizioter. i lech.fiz.  
kul't. 22 no.6:85-87 N-D '57. (MIRA 11:2)  
(ULTRAVIOLET RAYS--PHYSIOLOGICAL EFFECT)

DANTSIG, N.M., professor; ZILBER, D.A., professor

standards for artificial lighting in anticipation of a forthcoming  
revision [with summary in English]. Gig. 1 son., 22 no.8:25-30  
Ag '57. (MLRA 10:9)

(ILLUMINATION  
new standards in indust. & public buildings)

FRANK, G.M., prof., otd.red.; VARSHAVER, G.S., dotsent, zamestitel' otd.  
red. (Moskva); GALANIN, N.Y., prof., red. (Leningrad); DANTSIG,  
N.M., prof., red. (Moskva); LAZAREV, D.N., kand.tekhn.nauk, red.  
(Leningrad); SOKOLOV, M.V., prof., red. (Moskva); SKOBEL'EV, V.M.,  
kand.tekhn.nauk, red. (Moskva); LANDAU-TIKHINA, S.P., red.;  
KHANOVA, T.M., red.; LYUDKOVSKAYA, N.I., tekhn.red.

[Ultraviolet radiation; sources, measurement, hygienic and therapeutic use] Ul'trafioletovoe izluchenie; istochniki, izmerenie,  
gigienicheskoe i lechebno-profilakticheskoe primenenie. Moskva,  
Gos.izd-vo med.lit-ry, 1958. 298 p. (MIRA 13:3)

1. Chlen-korrespondent AMN SSSR (for Frank, Galanin).  
(ULTRAVIOLET RAYS)

## EXCERPTA MEDICA Sec 17 Vol 5/1 Public Health Jan 59

281. UV RADIATION AT THE XIII ALL-UNION CONGRESS OF HYGIENISTS, EPIDEMIOLOGISTS, MICROBIOLOGISTS AND INFECTIONISTS (Russian text) - Dantsig N. M. - GIG. I SANIT. 1958, 3 (6-10)

The reports made on this problem at the general and sectional meetings of the congress were mainly concerned with the following questions: (1) The working-out of hygienic standards for the levels of UV radiations. (2) The problem of compensation of the UV radiation deficiency. (3) Utilization of the bactericidal property of UV radiation in hygienic practice. The wide discussion of these questions proved that during the period in between the congresses, considerable achievements were attained in the investigations of UV radiations and the possibility of their utilization for hygienic purposes. The congress pointed out that the solving of such problems as: the determination of the hygienic standard of UV radiation, the ways of enrichment of the light with UV rays and the use of the bactericidal property of UV radiations for disinfection of air in rooms in presence of people, were all based on hygienic requirements. At the same time it was noticed that the preventive UV radiation of people especially in the northern regions, and the UV disinfection of air from the airborne infections are not being used widely as yet.

COUNTRY : USSR  
CATEGORY : Farm Animals. General Problems. Q-1  
ABS. JOUR. : RZBiol., No. 4, 1959, No. 16594

AUTHOR :  
INST. :  
TITLE :

ORIG. PUB. :

ABSTRACT : should be carried out on farms of the northern and central regions. -- M. F. Demina

CARD: 4/4

3

DANTSIO, N. M.

"The problem of compensation for ultraviolet-ray insufficiency in winter in regard to the child population."

report submitted at the 13th All-Union Congress of Hygienists, Epidemiologists and Infectionists, 1959.

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509710017-1

DANTSIG, N.M.

Problems in the hygiene of industrial illumination at the  
1958 All-Union Illumination Engineering Conference. Giga  
truda i prof.zab. 3 no.2:57 Mr-Ap '59. (MIRA 12:6)  
(FACTORIES--LIGHTING)

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CIA-RDP86-00513R000509710017-1"

DANTSIG, N.M., prof.

Ultraviolet irradiation as a hygienic problem. Vest. AMN SSSR  
14 no.8:46-53 '59. (MIRA 12:11)

1. Institut obshchey i komunal'noy gigiyeny imeni A.N. Syenia  
AMN SSSR.  
(ULTRAVIOLET RAYS)

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CIA-RDP86-00513R000509710017-1

DANTSIG, H.M., prof.

Conference on the biological effect of ultraviolet radiation.  
Gig. i san. 24 no.1:86-87 Ja '59. (MIRA 12:2)  
(ULTRAVIOLET RAYS--PHYSIOLOGICAL EFFECT)

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CIA-RDP86-00513R000509710017-1"

MINKH, A.A., prof.; DANTSIG, N.M.; SILIVANIK, K.Ye.

"Some problems in the hygiene of therapeutic institutions  
and the resort area of Leningrad." Reviewed by A.A.Minkh,  
N.M.Dantsig, K.E.Silivanik. Gig. i san. 24 no.7:90 J1 '59.  
(MIRA 12:9)

(HOSPITALS--HYGIENE)

FRANK, G.M., red.; VARSHAVER, G.S., red.; DANTSIG, N.M., red.;  
SOKOLOV, M.V., red.; MANIKOV, M.Ye., red.; ZUYEVA, N.K.,  
tekhn. red.

[Transactions of the Conference on the Biological Effect of  
Ultraviolet Radiation] Trudy konferentsii po biologicheskому  
deistviju ul'trafioletovogo izlucheniia. 6th, Leningrad, 1958.  
Moskva, Medgiz. Vol.3. [Ultraviolet radiation; biological ef-  
fect, therapeutic, preventive, and hygienic uses, and measure-  
ment] Ul'trafioletovoe izluchenie; biologicheskoe deistvie, le-  
chebno-profilakticheskoe i gigienicheskoe primenie, izmerenie.  
Pod red. G.M.Franka i dr. 1960. 271 p. (MIRA 15:3)

1. Konferentsiya po biologicheskemu deystviju ul'trafioletovogo  
izlucheniya. 6th, Leningrad, 1958.  
(ULTRAVIOLET RAYS—THERAPEUTIC USE)  
(ULTRAVIOLET RAYS—PHYSIOLOGICAL EFFECT)

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CIA-RDP86-00513R000509710017-1

DANTSIG, N.M.; ZIL'BER, D.A.

New standards for artificial lighting. Gig. truda i prof. zab.  
4 no. 7:36-38 J1 '60. (MIRA 13:8)  
(LIGHTING-STANDARDS)

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CIA-RDP86-00513R000509710017-1"

DANTSIG, N.M., prof.

Prevention of insufficient lighting and ultraviolet radiation  
in industrial buildings having no natural light. Svetotekhnika  
6 no.10:19-21 0 '60. (MIRA 13:9)

1. Institut obshchey i kommunal'noy gigiyeny im. A.N. Sysina  
AMN SSSR.  
(Factories—Lighting)

DANTSIG, N.M., prof.

Eye hygiene and experience in fluorescent lighting in schools.  
Dig. 1 san. no. 10:76-82 0 '60. (MIRA 13:12)

1. Iz Instituta obshchey i komunal'noy gigiyeny imeni A.N. Sysina  
AMN SSSR.  
(SCHOOLS—LIGHTING) (FLUORESCENT LIGHTING)

DANTSIG, Naum Moiseyevich; KHVATOVA, A.V., red.; ZUYEVA, N.K., teksp.  
red.

[Hygiene of vision in school children] Gigiena zreniya uchashchikhsia  
shkol. Moskva, Gos. izd-vo med. lit-ry Medgiz, 1961. 70 p.  
(MIRA 14:7)

(EYE—CARE AND HYGIENE)

ZAGORA, Edvard[Zagora, Edward], doktor med.; ZAKOL'SKIY, V.G.[translator];  
ROMANOVSKIY, M.M.[translator]; DANTSIG, N.M., prof., red.;  
KHVATCOVA, A.V., red.; GABERLAND, M.I., tekhn. red.

[Industrial ophthalmology] Promyshlennaia oftal'mologiya. Pod  
red. N.M.Dantsiga. Moskva, Medgiz, 1961. 395 p. (MIRA 15:4)  
(INDUSTRIAL OPHTHALMOLOGY)

DANTSIG, N.M., prof.; SHAFRANOV, B.V., kand.med.nauk

Review of S.M.Chubinskii's book "Sun rays and their effect on the  
human organism." Svetotskhnik. 7 no.3:27-28 Mr '61. (MIRA 14:8)  
(Solar radiation—Physiological effects) (Chubinskii, S.M.)

DANTSIG, N.M.; VLODAVETS, V.V.; KRICHAGINA, N.B.

Ultraviolet rays in the prevention of air droplet infections.  
Vest.AMN SSSR 16 no.7:13-20 '61. (MIRA 14:7)

1. Institut obshchey i kommunal'noy gigiyeny imeni A.N.Sysina  
AMN SSSR.  
(ULTRAVIOLET RAYS) (COMMUNICABLE DISEASES--PREVENTION)  
(AIR-PURIFICATION)

DANTSIG, N.M., prof.

Hygienic evaluation of spectral translucency of various types of  
window panes. Gig. i san. 26 no.8:23-27 Ag '61. (MIRA 15:4)

1. Iz Instituta obshchey i kommunal'noy gigiyeny imeni A.N.Sysina  
AMN SSSR.  
(GLASS CONSTRUCTION--HYGIENIC ASPECTS)

DANESIG, N.M., prof.

Hygiene considerations and norms on combining electric lighting fixtures with ultraviolet light sources. Svetotekhnika 8 no.6:10-14 Je '62. (MIRA 15:5)

1. Institut obshchey i kommunal'noy gigiyeny AMN SSSR.  
(Electric lighting--Hygienic aspects)  
(Ultraviolet rays--Physiological effect)

DANTSIG, N.M., prof.

From the pages of medical periodicals. Svetotekhnika 7 no.11:28-  
31 N '61. (MIRA 14:11)

(Ultraviolet rays--Therapeutic use)  
(Sight)  
(Electric lightning)

DANTSIG, N. M.; LAPTEV, A. P. (Moskva)

Discussion of artificial lighting in windowless and skylightless  
industrial buildings. Gig. truda i prof. zab. no. 3:38-42 '62.  
(MIRA 15:4)

1. Institut obshchey i kommunal'noy gigiyeny imeni A. N. Sysina  
AMN SSSR, TSentral'nyy institut fizicheskoy kul'tury.

(FACTORIES—LIGHTING)

DANTSIG, Naum M.

"Ultra-Violet Radiation in Medical Prophylaxis and for Support of Good Health."

Report presented at the 2nd International Ultra Violet Colloquium, East Berlin, 4-6 Nov 63.

GOROMOSOV, M.S., doktor med. nauk; DANTSIG, N.M., prof.; KYUPAR,  
A.I., sanit. vrach; MINKH, A.A., prof.; PROKOF'YEV, A.P.,  
dots.; SILIVANIK, K.Ye., doktor med. nauk [deceased];  
UVAROV, M.M., kand. med. nauk; SHAFIR, A.I., prof.;  
SHTREYS, A.I., prof.; KROTKOV, F.G., prof., otv. red.;  
SELESKERIDI, I.G., red.; ROMANOVA, Z.A., tekhn. red.;  
MIRONOVA, A.M., tekhn. red.

[Manual on communal hygiene] Rukovodstvo po kommunal'noi  
gigiene. Moskva, Medgiz. Vol.3.[Hygiene of residential  
and public buildings] Gigiena zhilykh i obshchestvennykh  
zdanii. Red. toma Goromosov i A.I.Shafir. 1963. 486 p.  
(MIRA 17:2)

1. Deystvitel'myy chlen AMN SSSR (for Krotkov). 2. Chlen-  
korrespondent AMN SSSR (for Minkh).



L 47421-65

ACCESSION NR: AP5010993

UR/0248/65/000/004/0092/0093

4  
B

AUTHOR: Dantsig, N. M. (Moscow)

TITLE: All-Union Conference on the Biological Action of Ultraviolet radiation

SOURCE: AMN SSSR. Vestnik, no. 4, 1965, 92-93

TOPIC TAGS: radiation biologic effect, light biologic effect, UV radiation, biological conference

**ABSTRACT:** The 6th All-Union Conference on the Biological Action of Ultraviolet

Radiation was held in Vilnius from 28 May to 2 June 1964. The Institute of

Biophysics, Academy of Sciences USSR, Institute of General and Communal

Hygiene imeni A. N. Sysin, Academy of Medical Sciences USSR and the

Medical Academy of Sciences participated in the conference. The conference

was held primarily to reviewing investigating the basic mechanisms of the

biological action of ultraviolet radiation on macromolecules, viruses, and microorganisms to better

understand the basic UV mechanisms. Other areas of investigation included the

biological effects of UV radiation on humans and animals, the practical application of UV, and therapeutic and prophylactic applications of UV. In all,

Card 1/4

L 49421-65

ACCESSION NR: AP5010993

100 specialists participated in the conference representing the USSR, GDR, Poland, Bulgaria, and Yugoslavia. A list of some of the authors and titles of papers presented is given below:

Vladimirov, Yu. A., Primary physical and chemical stages of the action of UV on proteins and nucleic acids.

Zavil'gel'skiy, G. B., and V. I. Tovotnitskiy, Molecular mechanisms of the lethal and mutagenic action of UV on viruses and bacteria.

Demidov, N. M., Z. D. Gorkin, and N. F. Galanin, The application of UV in compensating for ultraviolet insufficiency.

Koshkin, M. L., and V. E. Spokolov, The use of UV in the prophylaxis of infections.

Obrosov, A. N., Therapeutic and prophylactic applications of UV.

Krasnovskiy, A. A., and G. P. Brin, A study of the photo-oxidation of re-

lated adenosine dinucleotides in connection with the photobiological effect of soft

UV.

Konev, S. V., Primary photophysical processes in protein micromolecules as one of the basic acceptors of UV radiation.

Card 2/4

L 49424-65

ACCESSION NR: AF5010993

Kayushin, L. P., Features of photochemical processes in some biologically important substances.

Rosin, Ya. A., and G. M. Frank, Effects of UV on man and animals.

Gorkin, Z. D., A. A. Krivova, and Yu. M. Madiyevskiy, Effects of continuous and intermittent UV on the organism.

Dantsig, N. M., Yu. N. Solc'yev, A. P. Zabaluyeva, and D. M. Demina, Remote effects of prolonged exposure to UV.

Zabaluyeva, A. P., and N. A. Davydov, Remote effects of prolonged exposure to UV on the nonspecific immunological reactivity of the organism.

Kaspirovich, G. A., Remote effects of prolonged exposure to UV on the permeability of histohematic barriers.

Koshkin, M. L., and others, Catecholamine metabolism during prophylactic UV irradiation.

Vorontsev, M. F., Changes in the activity of the sympathetic-adrenaline system during prophylactic UV irradiation.

Vlodavets, V. V., and A. P. Zabaluyeva, Role of UV irradiation in the prophylaxis of radiation injuries.

Card 3/4

L 49424-65

ACCESSION NR: AP5010993

Skutareva, Z. A., and others, Influence of the fluorescence of the ocular epithelium on visual function when the light flux in the UV range is concentrated.  
Influence of elimination of enteroviruses from skin after using UV.

Skutareva, R. A., Inactivation of viruses by UV.

Braginov, T., Biological action of UV during erythema formation.

Sokolova, O. Yu., Sensitivity of mucosa and skin to UV rays.

ASSOCIATION: none

AMMENDED: CC

ENCL: 00

FILED: LS, OP

REF ID: 4003-7

OTHER: 000

ALI PRESS: 4003-7

Card

4/4

DANTSIG N.M. doktor med.nauk, prof.; SKOBAREVA, Z.A., vrach

Hygiene vision in children of school age. Med.sestra 22 no.2:20—  
27 P '63. (MIRA 16:5)

1. Iz Instituta obshchey i kommunal'nyy gigiyeny imeni A.N.  
Sysina AMN SSSR. (EYE CARE AND HYGIENE)

DAMTSIG, R.A., kand.tekhn.nauk

Expansion of the production of asphalt concrete in the Urals  
and in Western Siberia. Trudy MADI no.23:191-195 '58.

(MIRA 12:1)

(Ural Mountain region--Asphalt concrete)  
(Siberia, Western--Asphalt concrete)

DANTSIG, Ye. M.

Scale insect fauna (Homoptera, Coccoidea) of Leningrad Province  
[with summary in English]. Ent. oboz. 38 no.2:443-455 '59.  
(MIRA 12:7)

1. Leningradskiy sel'skokhozyaystvennyy institut, Kafedra obshchey  
entomologii, g. Pushkin.  
(Leningrad Province--Scale insects)

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CIA-RDP86-00513R000509710017-1

DANTSIG, V. M.

Biological forms of oyster-shell scale (Lepidosaphes ulmi (L.);  
Homoptera, Coccoidea). Zool.zhur. 33 no.6:829-836 Je '59.

(MIRA 12:11)

1. Leningrad Agricultural Institute.  
(Oyster-shell scale)

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DANTSIG, Ye. M., Cand Biol Sci (diss) -- "The fauna and ecology of the coccides  
(Homoptera, Coccoidea) of Leningrad Oblast". Leningrad, 1960. 17 pp (Acad  
Sci USSR, Zool Inst), 250 copies (KL, No 14, 1960, 130)

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CIA-RDP86-00513R000509710017-1"

DANTSIG, Ye. M.

New and little-known species of mealy bugs (Homoptera, Coccoidea,  
Pseudococcidae) from Leningrad Province [with summary in English].  
Ent. oboz. 39 no.1:172-181 '60.  
(MIRA 13:6)

1. Kafedra obshchey entomologii Leningradskogo selskokhozyayst-  
vennogo instituta, g. Pushkin i Zoologicheskiy institut Akademii  
nauk SSSR, Leningrad.  
(Leningrad Province--Mealy bugs)

NARCHUK, E.P., kand. biol. nauk. Prinimala uchastiye DANTSIG, Ye.M.;  
SHAPIRO, I.D., kand. sel'khoz. nauk, otv. red.

[Concise program of phenological observations on insects;  
European part of the forest zone] Kratkaia programma feno-  
logicheskikh nabliudenii za nasekomymi; Evropeiskaia chast'  
lesnoi zony. Leningrad, 1961. 48 p. (MIRA 15:3)

1. Geograficheskoye obshchestvo SSSR. Fenologicheskiy sektor.
2. Zoologicheskiy institut Akademii nauk SSSR (for Narchuk,  
Dantsig).

(Insects)

DANTSIG, Ye.M.

Food forms of *Bulecanium franconicum* (Lndgr.) (Homoptera, Coccoidea)  
Ent. oboz. 40 no. 3:571-576 '61.  
(MIRA 15:3)

1. Zoologicheskiy institut AN SSSR, Leningrad.  
(Homoptera)

DANTSIG, Ye. M.

Revision of the genus *Rhisococcus* Signoret (Homoptera, Coccoidea)  
of the fauna of the U.S.S.R. Ent. oboz. 41 no.4:839-860 '62.  
(MIRA 16:1)

1. Zoologicheskiy institut AN SSSR, Leningrad.

(Scale insects)

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CIA-RDP86-00513R000509710017-1

DANTSIG, Ye.M.

Whiteflies (Homoptera, Aleyrodoidea) in the Leningrad region.  
Trudy Zool.inst. 31:13-21 '62, (MIRA 16:1)  
(Leningrad region--Whiteflies)

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CIA-RDP86-00513R000509710017-1"

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509710017-1

DANTSIG, Ye.M.

Supplement to the fauna of scale insects (Homoptera, Coccoidea)  
of Leningrad Province. Trudy Zool. inst. 31:22-24 '62.  
(MIRA 16:1)  
(Leningrad Province—Scale insects)

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509710017-1"

DANTSIG, Ye.M.

A short analysis of the species and geographical distribution  
of scale insects (Homoptera, Coccoidea) of Leningrad Province,  
Trudy Zool.inst. 31:25-32 '62. (MIRA 16:1)  
(Leningrad Province—Scale insects)

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509710017-1

DANTSIG, Ye.M.

Study of white flies (Homoptera, Aleyrodoidea) of the Caucasus. Ent.  
oboz. 43 no. 3:633-646 '64.  
(MIRA 17:10)

1. Zoologicheskiy institut AN SSSR, Leningrad.

APPROVED FOR RELEASE: 08/25/2000

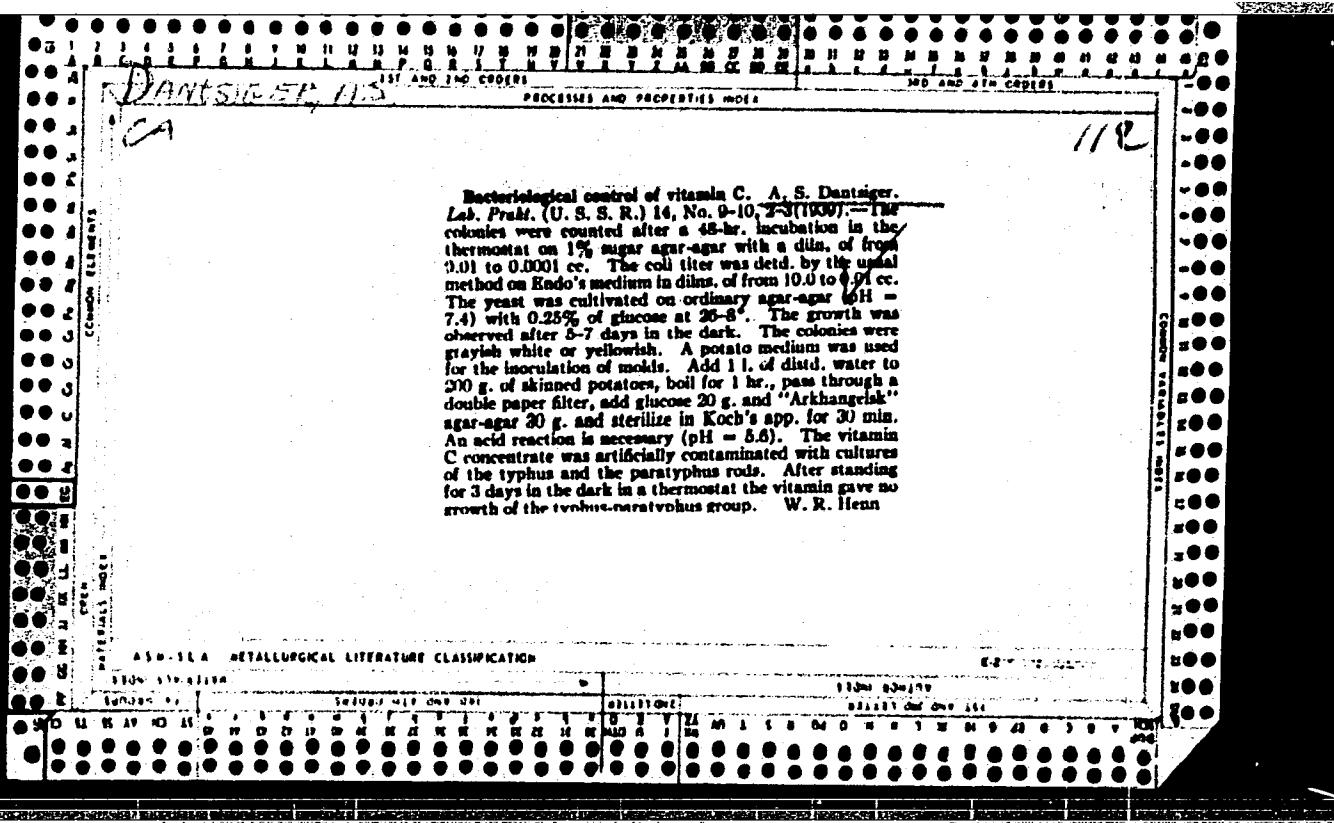
CIA-RDP86-00513R000509710017-1"

DANTSIG, Ye.M.

Chinese wax scale (*Ericerus pala* Chav., Homoptera, Coccoidea)  
in the U.S.S.R. Zool. zhur. 44 no.4:537-546 '65.

(MIRA 18:6)

1. Zoologicheskiy institut AN SSSR, Leningrad.



L16860-67 EMTC/EMPIG/EMX(R)/BDS/E5(-)2 ATTC/ABD/ESD-3/LRD  
Pt-4 GG/JD

ACCESSION NR: AR3006314

S/0058/63/000/007/E050/E051

SOURCE: RZh. Fizika, Abs. 7E333

AUTHOR: Dantsiger, A. Ya.

TITLE: Investigation of ferroelectric properties of nitrites and  
nitrates of alkali and alkali-earth metals

CITED SOURCE: Sb. Materialy\* 4-y nauchn. konferentsii aspirantov.  
Rostovsk. un-t. Rostov-na-Donu, 1962, 75-77

TOPIC TAGS: ferroelectric property, alkali metal, alkali-earth  
metal, nitrite, nitrate, dielectric constant, loss angle

TRANSLATION: The results are presented of dielectric and dilato-  
metric measurements of the crystals  $\text{RbNO}_3$ ,  $\text{TlNO}_3$ , and  $\text{NaNO}_3$  in the  
interval from room to melting temperature. It is shown that at tem-

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L 16860-63

ACCESSION NR: AR3006314

peratures 161 and 198°C a sharp compression of the RbNO<sub>3</sub> specimen takes place and its dielectric constant increases considerably, while near 198°C the Curie-Weiss law is satisfied with a Curie constant of approximately  $4.7 \times 10^3$  °C. For RbNO<sub>3</sub>, the dependence of  $\epsilon$  and tgδ on the AC (50 cps) electric field intensity are given at temperatures 97 and 155°C, showing that the nonlinearity increases on approaching the phase transition point. On the basis of the data obtained, it is suggested that RbNO<sub>3</sub> has ferroelectric properties below the point of the first phase transition and above the point of the second phase transition. The temperature dependence of  $\epsilon$  for TlNO<sub>3</sub> and NaNO<sub>3</sub> near the phase transition points display small maxima. N. Ivanov.

DATE ACQ: 15Aug63

SUB CODE: PH

ENCL: 00

Card 2/2

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509710017-1

DANTSIGER, A.Ya.; FESENKO, Ye.G.

Dielectric properties of rubidium nitrate. Kristallografia 8  
no.6:894-899 N-D'63.  
(MIRA 17:2)

1. Rostovskiy-na-Donu gosudarstvennyy universitet.

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509710017-1"

L 57583-65 EWT(1)/EPA(s)-2/EWT(m)/EPF(c)/EPR/EEC(t)/FWP(+1)/FWP(b)  
Pt-7/PI-4 IWP(c) JD/JG/GG  
ACCESSION NR: AP5013714

Pt-4/Ps-4/

UR/0070/65/C10/003/0338/0341  
100-1437

AUTHOR: Dantsiger, A. Ya.; Resenko, Ye. G.

45<sup>2</sup>

TITLE: Anomalous dielectric properties of rubidium nitrate

77

SOURCE: Kristallografiya, v. 10, no. 3, 1965, 338-340

8

TOPIC TAGS: dielectric property, rubidium nitrate

ABSTRACT: The dielectric properties of cooled fused rubidium nitrate were investigated. The test sample was prepared by cooling it slowly (at a rate of 2 degrees per minute) in a nickel crucible from a temperature slightly above the melting point to room temperature. Measurements were taken as the crucible was cooled and during its subsequent heating. The electrodes consisted of the crucible and a nickel fish attached rigidly to a nickel wire. The special feature of this method is that the fused sample has a much greater electric strength than if it is grown from a solution. Special measures were taken in the preparation of the crucible to eliminate parasitic capacities and leakage. The sample was dried, screened,

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L 57583-68  
ACCESSION NR: AP5013714

Repeated measurements showed that during cooling without an applied field the  $P-E$  relationship in high temperature phases II, III and low temperature phase IV is usually linear. If a field of 1.5-2 kV/cm is applied to phases II and III during cooling, double loops appear during phase IV below 164°C with the application of fields (15-25 kV/cm). These loops disappear at a temperature of 100-110°C. The dielectric hysteresis loops below the transition temperature point IV $\downarrow$ III, a sharp jump in  $\epsilon$  at the transition point IV $\downarrow$ III, the displacement of transition temperature IV $\downarrow$ III in the direction of shortening phase  $\downarrow$ , the increase in  $\epsilon$  below the transition IV $\downarrow$ III under the influence of constant bias and a sharp minimum in the coefficient of linear expansion at the transition point IV $\downarrow$ III show that in the phase, RBNC, has antiferroelectric properties. Original text has 6 figures.

Source: Rostovskiy gosudarstvennyy universitet (Rostov State University)

SUBMITTED: 08Jun64

ENCL: 00

SUB CODE: BM, JC

REF ID: SOV: 001

OTHER: 002

JK  
Card 2/2

L 57274-65 SWT(1)/EPA(s)-2/EWT(m)/EPP(e)/EPR/ESG(t) /T/EPP(t)/W(t)/EHA(c) Pr.4/

15 03/93

APPLICATION NR: AP6C16151

US: CIA-REF 019-006/104 2/046

58

63

AUTHOR: Dantsiger, A.Ya.

TITLE: Phase diagram of the rubidium nitrate-potassium nitrate system Report, 4th All-Union Conference on Ferroelectricity held in Moscow on the 12-18 Sept 1964

SOURCE: AN SSSR. Izvestiya Ser. fizicheskaya, v.29, no.6, 1965, 1042-1045

TOPIC TAGS: ferroelectricity, antiferroelectricity, phase transformation, solid solution, potassium compound, rubidium compound, nitrate

ABSTRACT: The RbNO<sub>3</sub>-KNO<sub>3</sub> system was investigated over the entire range of composition. The material was cooled to room temperature from above the melting point in a nickel crucible provided with an electrode suspended from a quartz cover, and the dielectric constant was measured. The wall of the crucible served as the source of electrons. The transition point between transitions of RbNO<sub>3</sub> to the KNO<sub>3</sub> addition of 20%, which has found its way into the literature literature, was found to be incorrect. The higher temperature transition was ultimately per-

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L 57574-65  
ACCESSION NR: AP5016151

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sensitive on cooling for  $\text{KNO}_3$  concentrations above 3% and on heating for concentrations above 10%. This transition became increasingly sharp with increasing  $\text{RbNO}_3$  content. The width of the solid phase was constant in all cases. This assertion is based on the sharp dielectric in all cases. This assertion is based on the sharp dielectric behavior of materials with 10 mole percent  $\text{RbNO}_3$ . The effect of a change in the transition temperature was observed in all materials. The transition temperature was found to increase with increasing  $\text{RbNO}_3$  content. This change occurred at increasing temperatures with increasing  $\text{RbNO}_3$  content, but the total temperature range of the dielectric behavior was unaffected by the addition of 10 mole percent  $\text{RbNO}_3$  than in pure  $\text{KNO}_3$ . Data plotted: figures.

ASSOCIATION: none

SUBMITTED: 00

NR REF Sov: 003

ENCL: 00

SUB CODE: SS, EM

OTHER: 003

Card 2/2

L 1306-66 EWT(1)/EPA(s)-2/EWT(m)/EPE(c)/EWP(t)/EWP(b) LJP(c) JD/GG  
ACCESSION NR: AP5012567 UR/0181/65/007/005/1517/1518

AUTHOR: Dantsiger, A. Ya.; Freyzon, I. A. 44, 68 30  
<sup>W, K</sup>

TITLE: Ferroelectric properties of solid solutions of the system  $\text{KNO}_3\text{-KI}$  30  
<sup>44, 68</sup>

SOURCE: Fizika tverdogo tela, v. 7, no. 5, 1965, 1517-1518 <sup>21</sup> B

TOPIC TAGS: ferroelectric effect, electric hysteresis, potassium compound, solid solution, electric polarization

ABSTRACT: The work reported is part of the investigation of the effect of different additives on the ferroelectric properties of potassium nitrate, which was investigated by an already-described procedure (FIZ v. 7, no. 7, 1965) used to study the properties of solid solutions  $\text{Nb}_x\text{K}_{1-x}\text{NO}_3$ . Hysteresis loops of the melts of the investigated solid solutions, cooled in a nickel crucible, were obtained oscillographically and plots of spontaneous polarization against the temperature were plotted from the hysteresis loops. The results have established that introduction of KI additives stabilizes the ferroelectric phase III of  $\text{KNO}_3$ , which extends in this case to room temperatures. The magnitude of the spontaneous polarization decreases as compared with the pure  $\text{KNO}_3$ . In addition, the KI decreases somewhat the temperature of the I  $\rightarrow$  III transition. Orig. art. has: 2 figures.

Card 1/2

L 1306-66

ACCESSION NR: AP5012567

ASSOCIATION: Rostovskiy-na-Donu gosudarstvenny universitet (Rostov-on-Don State University) 3

SUBMITTED: 21 Nov 64 YF.55

ENCL: 00

SUB CODE: SS, EM

NR REF Sov: 002

OTHER: 001

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Card 2/2

L 4878-66 EPA(s)-2/EWT(m)/EWP(w)/I/EWP(t)/EWP(b)/EWA(h)/EWA(c) IJP(c) JD/JG  
UR/0181/65/007/008/2279/2281 48

ACCESSION NR: AP5019836

AUTHOR: Dantsiger, A. Ya.

TITLE: Phase diagram of the system  $\text{Cs}_{x} \text{Rb}_{1-x} \text{NO}_3$

SOURCE: Fizika tverdogo tela, v. 7, no. 8, 1965, 2279-2281

TOPIC TAGS: cesium compound, rubidium compound, solid solution, Curie point, antiferroelectricity, phase diagram

ABSTRACT: This is a continuation of earlier work by the author (with Ye. G. Fesenko, Kristallografiya, v. 8, 894, 1963) in which antiferroelectric properties were observed in the high-temperature (II) and low-temperature (IV) modifications of rubidium nitrate. The present study was devoted to investigations of cooled solid solutions with variable rubidium concentration. Measurements of the dielectric constant at 1 Mc showed that with increasing  $x$  (cesium fraction), the temperature of the transition III  $\rightarrow$  II of  $\text{RbNO}_3$  rises. A phase diagram based on the calculation of the dielectric constant is shown in

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L 4878-66

ACCESSION NR: AP5019836

Fig. 1 of the Enclosure. The anomaly actually observed at the III - II transition temperature indicates that phase II has anti-ferroelectric properties, just like RbNO<sub>3</sub>. This is also confirmed by the fact that for Cs<sub>x</sub>Rb<sub>1-x</sub>NO<sub>3</sub> with x = 10 molar per cent, the ratio of the Curie temperatures is the same as for pure RbNO<sub>3</sub>. The anomalies in the IV - III transition were less pronounced than in pure RbNO<sub>3</sub>. The causes of the variation of the III - II transition temperature are discussed from the point of view of the differences in the radii of the different ions. Orig. art. has: 3 figures.

ASSOCIATION: Rostovskiy-na-Donu Gosudarstvennyy universitet (Rostov-on-Don State University)

SUBMITTED: 18Jan65

ENCL: 01

SUBJECT CODE: SS

NR REF SOV: 003

OTHER: 001

Card 2/3

L 4878-66

ACCESSION NR: AP5019836

ENCLOSURE: 01

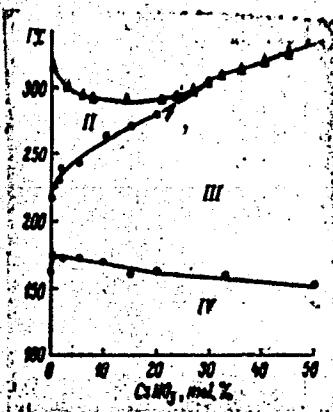


Fig. 1. Phase diagram of the system  $\text{Cs}_x \text{Rb}_{1-x} \text{NO}_3$

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L 6942-66 EWT(m)/EWP(t)/EWP(b) IJP(c) JD

ACC NR: AP5017318

SOURCE CODE: UR/0181/65/007/007/2190/2194

45  
B

AUTHOR: Dantsiger, A. Ya.; Freyzon, I. A.

ORG: Rostov-na-Donu State University (Rostovskiy-na-Donu gosudarstvennyy universitet)

TITLE: Ferroelectric properties of  $Rb_xK_{1-x}NO_3$  solid solutions

SOURCE: Fizika tverdogo tela, v. 7, no. 7, 1965, 2190-2194

TOPIC TAGS: ferroelectric property, solid solution, Curie point, rubidium compound, hysteresis loop, potassium compound, nitrate

ABSTRACT: By means of oscillograph studies done on cooled solid solutions, a ferroelectric region was mapped on the phase diagram for systems of the  $Rb_xK_{1-x}NO_3$  type. The influence of additions of  $RbNO_3$  to  $KNO_3$  on the Curie temperature ( $T_c$ ), the spontaneous polarization ( $P_{sp}$ ) and on the width of ferroelectric region of the phase diagram were studied. Causes of the lowering of  $T_c$  and  $P_{sp}$  were also considered. Solid solutions of the  $Rb_xK_{1-x}NO_3$  type were melted and cooled (2°C/min) in a specially constructed Ni crucible;  $R-E$  measurements (dielectric hysteresis) were made during the cooling. A schematic diagram of the crucible and of the experimental arrangements is given. From oscillographic measurements, a phase diagram (to 50 mol %) is drawn, mapping the region exhibiting dielectric hysteresis. This region is designated as

Card 1/2

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L 6942-66

ACC NR: AP5017318

III in fig. 1. Data are given for  $R_{sp}$  as a function of temperature for varying mol contents of  $\text{RbNO}_3$  (0-50%); maxima from this curve are plotted along with the values for the coercive fields ( $E_k$ ) as a function of content of  $\text{RbNO}_3$ .  $R_{sp}$  drops sharply up to about 20 mol %, after which the drop becomes more gradual;  $E_k$  increases linearly with a small slope, up to 30 mol %. Photographs are shown of the dielectric hysteresis loops, and these indicate a decrease in saturation with rise in content of  $\text{RbNO}_3$ . A theoretical basis is postulated for the phenomena. The lowering of  $T_k$  and  $R_{sp}$  is analyzed on the basis of cationic and anionic displacement. The atomic radii of  $\text{K}^+$  and  $\text{Rb}^+$  are compared, and the size difference influences the internal field. The phase transition I to III appears similar to the order-disorder type transformation. The role of the internal field appears as an ordering displacement of the  $\text{NO}_3^-$  groups, thereby lowering the internal field necessary to bring about a lower degree of order and, therefore, lowering  $T_k$  and  $R_{sp}$ . Orig. art. has: 6 figures.

SUB CODE: 68,EM/ SUBM DATE: 05Nov64/ ORIG REF: 002/ OTH REF: 006

Card 2/2

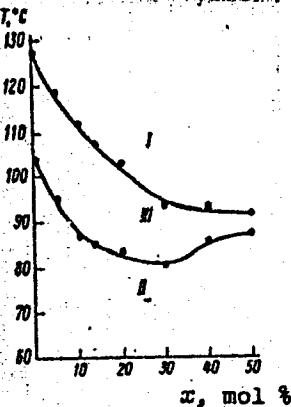


Fig. 1. Phase diagram of the system  $\text{Rb}_x \text{K}_{1-x} \text{NO}_3$  (for cooling).

DANTSIGER, A.Ya.; FESENKO, Ye.G.

Anomalous dielectric properties of rubidium nitrate. Kristallo-grafiia 10 no.3:338-340 My-Je '65. (MIRA 18:7)

1. Rostovskiy gosudarstvennyy universitet.

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509710017-1

DANTSIGER, A.Ya.

Phase diagram of the system  $Rb_xK_{1-x}Mg_3$ . Izv. AN SSSR. Ser. fiz.  
29 no.6:1042-1046 Je '65.

(MIRA 18:6)

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509710017-1"

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509710017-1

DANTSIGER, I.G., inzh.

Some characteristics of hen eggs from the viewpoint of the  
mechanization of processes in poultry raising. Tr. v.  
VISKHOMa no.44:72-97 '64.

(MIRA 18:11)

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509710017-1"

DANTSIGER, V.S., inzh.; GEKHMAN, A.S., inzh.

Underwater tank for petroleum products with high vapor tension.  
Strci. truboprov. 7 no.5:5-6 My '62. (MIRA 16:6)

1. Gosudarstvennyy institut po proyektirovaniyu spetsial'nykh  
scorusheniy promyshlennogo stroyitel'stva, Moskva.  
(Petroleum products—Storage)  
(Tanks)

PASHCHENKO, N.Ye., inzh.; ZOKHIN, G.I., inzh.; DANTSIN, M.I., inzh.,  
nauchnyy sotrudnik

Producing new synthetic materials at the Mytishchi Combine.  
Stroi.mat. 5 no.11:24-26 N '59. (MIRA 13:3)

1. Nachal'nik Upravleniya predpriyatiy gipsovykh i termoizolya-  
tsionnykh izdeliy Glavmospromstroymaterialov (for Pashchenko).
2. Direktor Mytishchenskogo kombinata sinteticheskikh stroitel'-  
nykh izdeliy i materialov (for Zokhin). 3. Nauchno-issledovatel'-  
skiy institut zhelezobetona (for Dantsin).  
(Mytishchi--Synthetic products)

DANTSIN, M.I.; KONSHIN, N.P.; LEBEDEV, G.A.; ROZEN, O.B.; KAMENSKIY,  
I.V., nauchnyy red.; GUZMAN, M.A., red.izd-vp; MEDVEDEV, L.Ya.,  
tekhn.red.; SIROTIINSKAYA, I.O.A., tekhn.red.

[Linoleum; production and use] Linoleum; proizvodstvo i primenenie.  
Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit. materialam,  
1960. 238 p. (MIRA 13:5)

(Linoleum)

KUPERSHMIDT, M.L., inzh.; SURKOV, V.I., inzh.; BYKOV, A.S., inzh.;  
DANTSIN, M.I., inzh.; NOVIKOVA, E.T., inzh.

Preparation of highly filled linoleum using improved techniques.  
Stroi. mat. 7 no.4:26-29 Ap '61. (MIRA 14:5)  
(Linoleum)

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509710017-1

DANTSIN, Matvey Isaakovich; ROZEN, O.B., kand. tekhn. nauk,  
nauchn. red.;

[Heat-and-sound-insulating linoleum] Teplozvukoizolatsionnyi linoleum. Moskva, Stroizdat, 1964. 150 p.  
(MIRA 17:6)

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509710017-1"

HYKOV, Aleksandr Sergeyevich; DANTSIN, Matvey Isaakovich; ZOKHIN,  
Grigoriy Iosifovich; SOROCHISHIN, A.G., nauchn. red.

[Building materials and products from synthetic material]  
Stroitel'nye materialy i izdeliya na osnove sinteticheskogo  
syr'ia. Moskva, Stroiizdat, 1964. 181 p. (MIRA 17:6)

KOSHKIN, Viktor Gavrilovich, kand. tekhn. nauk. ERENBURG,  
Aleksandr Isaakovich; DANTSIN, Matvey Isaakovich, inzh.  
SHTOFENMAKHER, Berta Moiseyevna, inzh.; ZOKHIN, Grigoriy  
Iosifovich.

[Polyvinyl chloride linoleum on a felt base used for  
heat and sound insulation; practices of the Mytishchi  
Combine for Synthetic Building Materials and Products]  
Polivinilkleridnyi linoleum na teplo- i zvukoizoliatsion-  
noi voilochnoi osnove; opyt Mytishchinskogo kombinata sin-  
teticheskikh stroitel'nykh materialov i izdelii. Moskva,  
Stroiizdat, 1964. 16 p. (MIRA 18:5)

1. Zamestitel' direktora Vsesoyuznogo nauchno-issledova-  
tel'skogo instituta novykh stroitel'nykh materialov (for  
Koshkin). 2. Glavnnyy inzhener laboratorii Vsesoyuznogo  
nauchno-issledovatel'skogo instituta novykh stroitel'nykh  
materialov (for Erenburg). 3. Rukovoditel' laboratorii  
Nauchno-issledovatel'skogo instituta zhelezobetonnykh izde-  
liy, stroitel'nykh i nerudnykh materialov Glavnogo upravle-  
niya promyshlennosti stroitel'nykh materialov i stroitel'-  
nykh detaley (for Dantsin). 4. Glavnnyy tekhnolog laboratorii  
Nauchno-issledovatel'skogo instituta zhelezobetonnykh izde-  
liy, stroitel'nykh i nerudnykh materialov Glavnogo upravle-  
niya promyshlennosti stroitel'nykh materialov i stroitel'-  
nykh detaley (for Shtofenmakher). 5. Direktor Mytishchinskogo kombi-  
nata-sinteticheskikh stroitel'nykh materialov i izdeliy (for Zokhin).

DANTSIS, YA. B.

Dantsis, Ya. B. "An investigation of a cascade system of rectification," Trudy Leningr. politakhn. in-ta im. Kalinina, 1948, No. 3, p. 290-301.

SO: U-3736, 21 May 53 (Letopis 'Zhurnal 'nykh Statey, No. 18, 1949 ).

DANTSIS, YA. B.

The following is among dissertations of the Leningrad Polytechnic Institute imeni Kalinin:

"Influence of Follow Current on the Carrying Capacity of the Working Resistances of Contemporary Valve Discharge Arrestors." 30 June 1952. The effect of the follow current on the carrying capacity of disks and on the process of their destruction was investigated. A comparative investigation was made of the carrying capacity of the disks for impulse and follow current (separately) and together.

SO: M-1048, 28 Mar 56

DANISIS, Ya. B.,

"Carrying Capacity of Operating Resistances of Vilateite Lightning Arresters  
Under the Combined Effect of Surge and Follow Currents," p 523.

High Voltage Research, Moscow, Gossimpezhinst, 1951-1954,  
(Series: Its Truly, No 1-9)

This collection of articles made up the principal results of investigation and studies made by Prof. A. F. Kuznetsov, his team, and his staff in the field of high voltage phenomena, and included was also the Vilateite Institute. It was at this institute that Prof. Kuznetsov completed his higher scientific education and then taught and carried on his investigations in the field until his death in 1951. In 1956, he delivered a course of lectures on the High Voltage Institute and was buried after his lecture.

SOV/137-59-2-2659

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 2, p 56 (USSR)

AUTHORS: Dantsis, Ya. B., Yudovich, Ye. Ye.

TITLE: On the "Dead" and "Rampant" Phases of Three-phase Electric-arc Furnaces (O "mertvoi" i "dikoy" fazakh trekhfaznykh dugovykh pechey)

PERIODICAL: Vestn. tekhn. i ekon. inform. Mezhotrasl. labor. tekhn.-ekon. issled. i nauchno-tekhn. inform. N.-i. fiz.-khim. in-ta im. L. Ya. Karpova, 1958, Nr 2 (7), pp 25-32

ABSTRACT: The problem of the power transfer (PT) in the secondary circuit (SC) of a completely asymmetrical three-phase electric-arc furnace is examined. Equations were worked out for the determination of the PT by means of a theoretical analysis of the phenomenon. The validity of the formulae developed was verified on an experimental apparatus imitating a three-phase furnace and also on an active three-phase furnace with an over-all asymmetry of the SC. The author notes that the PT between the electrodes constitutes an insignificant portion of the total PT in the SC. It is established that the second (middle) phase can be "dead" or "rampant", depending on the design

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SOV/137-59-2-2659

On the "Dead" and "Rampant" Phases of Three-phase Electric-arc Furnaces

of SC and the order of sequence of the phases and not only neutral as it is usually considered, and that the middle phase is neutral only in that particular case of SC asymmetry in which the extreme phases are placed with strict symmetry in relation to the middle phase. In the construction of powerful furnaces with an over-all asymmetrical SC the PT occurs mainly from the extreme (long) phase to the middle one.

A. Sh.

Card 2/2

DANTSIS, Ya.B.

Carrying capacity of vilita-discharger service resistors subjected  
to the combined action of pulse and following currents. Trudy LPI  
no.195:523-540 '58. (MIRA 11:10)  
(Electric discharges)

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509710017-1

DANTSIS, Ya.B.; ZHILOV, G.M.

Control of the operation of electric furnaces. From. energ. 15  
no. 9:35-36 S '60. (MIRA 13:10)  
(Electric transformers) (Electric furnaces)

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R000509710017-1"

DANTSIS, Ya.B., kand.tekhn.nauk; ZHILOV, G.M.; KUNKS, E.I., inzh.

Current distribution in the flexible conductors of large ore-smelting furnaces. Vest.elektroprom. 32 no.2:58-64 F '61.  
(MIRA 15:5)  
(Electric furnaces)

DANTSIS, Ya.B., kand.tekhn.nauk; ZHILIV, G.M., inzh.

Concerning the increase ~~cost~~ of large three-electrode electric  
furnaces. Vest. elektro prom. 33 no.8:60-65 Ag '62. (MIRA 15:7)  
(Electric furnaces)

DANTSIS, Ya.B., kand.tekhn.nauk (Leningrad); ZHILOV, G.M., inzh.  
(Leningrad)

Diagram for connecting a short network of an electric  
furnace system to a delta at the electrodes. Elektrichestvo  
no.9:23-23 S '62. (MIRA 15:9)  
(Electric furnaces) (Electric networks)

MADATOV, N.M. (Leningrad); Prinimali uchastiye: DANTSIS, Ya.B., kand.-  
tekhn.nauk, 'EFFEL', Z.I., inzh.

Characteristics of underwater welding by the supported electrode  
method. Avtom. svar. 15 no.9:63-66 S '62. (MIRA 15:9)  
(Underwater welding and cutting)

DANTSIS, Ya.B., kand.tekhn.nauk; ZHILOV, G.M.

Equalizing of the phase currents of ore smelting furnaces.  
Prom.energ. 17 no.10:29-32 O '62. (MIRA 15:9)  
(Electric furnaces)

DANTSIS, Ya.B., knud.tekhn.nauk

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